

Design Goals

Updated: 2/14/2017

Budget:

- Total \$1000

Connectivity:

- WIFI

Hardware:

- Lifetime 10 years
- Detect open or closed
- Open or close on demand
- Local button
- 1 Camera
- Water proof cover
- 1 pie(or whatever device) connects over WIFI to the internet
- Safety switches to prevent crushing/closed/open

Access control:

- Basic authentication
- 1 admin (Dev), moderators (Grad students), then normal users (other students)
- Integration with university group access
- Access site anywhere
- Local control preferred

Software:

- Database and server hosted on the cloud
- Take photo on demand
- Set notifications limit
- Set time for opening and closing

Log:

- Data saved forever
- User actions
- Open/close actions

Notification methods(User choose-able):

- Text message
- Email
- Push notifications

Stretch goals:

- Sensors:
 - Temperature
 - Humidity
 - Light
 - Soil